

Yale University *New Haven, Connecticut 06520*

DEPARTMENT OF BIOLOGY  
*Kline Biology Tower*

March 17, 1971

Dr. Marshall Nirenberg  
Chief, Laboratory of Biochemical Genetics  
National Heart and Lung Institute  
Building 10, Room 6D18  
National Institute of Health  
Bethesda, Maryland 20014

Dear Marshall:

It was good seeing you and hearing about your work with the neuroblastoma line at the NRP Conference. John Minna expressed an interest in learning about our techniques for identifying cell line specific chromosomes utilizing heterochromatin staining techniques. Mr McMorris has sent to him a preprint of an article in press on this subject by Ruddle & Chen. We have also sent him our protocol for visualization of phosphoglucomutase electrophoretic differences between Neuro and L-strain cell populations.

As you know, Art McMorris in our laboratory has some hybrid cell lines between neuro and mouse L cell lines. We are particularly interested in testing these hybrid clones for differentiated functions - especially neuro associated enzymes. It would be a great help to us if we could obtain your protocols for tyrosine hydroxylase, choline acetylase, and glutamate decarboxylase. If it is too much trouble to send these, I can stop by possibly next Thursday and pick them up.

Yours sincerely,



FHR:mr

Frank H. Ruddle

cc: John Minna  
cc: F. Arthur McMorris